NAME OF THE WORK: PACKAGE NO.03
(CONSISTS OF 5 WORKS)

Third and Final Bill

PMC

BOOK NO – 03

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 01-01-2024

ASSISTANT EXECUTIVE ENGINEER
KODIGEHALLI SUB DIVISION,
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants for the work of **"PACKAGE NO. 03 (CONSISTS OF 5 WORKS)."**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/78/2022-23
2. Job code: 008-23-000003

We are here with forwarding to M/s. Karthik Enterprises, Prop. Sri A Surya Prakash, No.123, Aishwarya, 3rd cross, Ramanna Garden, Vidyaranyapura, Bengaluru-560097. Third & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 3,88,77,545.00/- (Rs. Three Crore Eighty Eight Lakhs Seventy Seven Thousand Five Hundred and Forty Five Only). First and Part bill for Rs. 1,95,92,805.00/- were previously submitted, Second and Part bill for Rs. 4,87,56,583.00/- were previously submitted & the total bill amount submitted till date being Rs. 10,72,26,933.00/-(Rs. Ten Crore Seventy Two Lakhs Twenty Six Thousand Nine Hundred and Thirty Three Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

RUDRAPRASAD CONSULTANTS BANGALORE

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:-"PACKAGE NO.03(CONSISTS OF 5 WORKS)"

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE

Contractor/ Agency: M/s. Karthik Enterprises, Prop.Sri A Surya Prakash, No. 123, Aishwarya, 3rd cross, Ramanna Garden, Vidyaranyapura, Bengaluru- 560097.

Tender Contract Price Rs.3,88,77,545.00/-

Date Of Inspection : 01-01-24

Status Of Bill : Third & Final Bill

In the Presence of : a) Assistant Engineer, Kodigehalli Sub division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Removing and resetting Stone Slab of drain and pointing in C.M (1:3) (Approved Rate)	Work done upto the Billed Quantity and the Quality is satisfactory
2	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)	Work done upto the Billed Quantity and the Quality is satisfactory
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3)	Work done upto the Billed Quantity and the Quality is satisfactory

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4	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Work done upto the Billed Quantity and the Quality is satisfactory
5	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Work done upto the Billed Quantity and the Quality is satisfactory
9	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
10	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory

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14	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and as per the directions of the Engineer-in-charge of the work .	Work done upto the Billed Quantity and the Quality is satisfactory
16	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Work done upto the Billed Quantity and the Quality is satisfactory
17	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Work done upto the Billed Quantity and the Quality is satisfactory
18	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom	Work done upto the Billed Quantity and the Quality is satisfactory
19	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Work done upto the Billed Quantity and the Quality is satisfactory
20	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Work done upto the Billed Quantity and the Quality is satisfactory

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21	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes	Work done upto the Billed Quantity and the Quality is satisfactory
22	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel	Work done upto the Billed Quantity and the Quality is satisfactory
23	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates	Work done upto the Billed Quantity and the Quality is satisfactory
24	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous	Work done upto the Billed Quantity and the Quality is satisfactory
	operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work	
25	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 250 t.km	Work done upto the Billed Quantity and the Quality is satisfactory

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